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## **Cosmic depth and detail: advancing LOFAR imaging workflows to unveil the deep high-resolution universe**

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### **Citation**

Jong, J. M. G. H. J. de. (2025, May 9). *Cosmic depth and detail: advancing LOFAR imaging workflows to unveil the deep high-resolution universe*. Retrieved from <https://hdl.handle.net/1887/4245860>

Version: Publisher's Version

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**Note:** To cite this publication please use the final published version (if applicable).

# Cosmic Depth & Detail

Advancing LOFAR imaging workflows to unveil the deep  
high-resolution universe

Proefschrift

ter verkrijging van  
de graad van doctor aan de Universiteit Leiden,  
op gezag van rector magnificus prof.dr.ir. H. Bijl,  
volgens besluit van het college voor promoties  
te verdedigen op vrijdag 9 mei 2025  
klokke 13:00 uur

door

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geboren te Terneuzen, Nederland  
in 1993

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ISBN: 978-94-6496-361-8

Cover: Background picture taken by photographer Joshua Earle, modified by author with help from Satu Nygren. The front cover features a person looking into a part of the deep high-resolution radio sky from the ELAIS-N1 deep field. This is an important sky area imaged and studied in this thesis. The back cover showcases the LOFAR LBA and HBA antennas, positioned beneath a sky featuring FRI and FR II type radio galaxies at  $0.3''$  resolution, overlaid on their lower resolution  $6''$  counterparts.

This work is part of the project CORTEX (NWA.1160.18.316) of the research programme NWA-ORC which is (partly) financed by the Dutch Research Council (NWO).

Printed by Gildeprint.

A copy of this thesis is available at <https://openaccess.leidenuniv.nl>.

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*“Astronomy, as nothing else can do, teaches men humility.”*

– Arthur C. Clarke



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